

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2103	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2103								
Wheatland Vicinity	M	9.53						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.72		1.72	18.05%				
Encroachments					0.50			
Animal Control	0.02		0.02	0.21%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.20	0.02		
<i>LMA Totals:</i>	1.74	0.00	1.74	18.26%	0.70	0.02	0.00	0.00
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD2103	A	4.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.48			
Animal Control	0.02		0.02	0.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11	0.01		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.43%	0.59	0.01	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD2103	U	4.88						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.72		1.72	35.23%				
Encroachments					0.02			
<i>Supplemental</i>								
DWR UCIP Field Study					0.09	0.01		
<i>Unit Totals:</i>	1.72	0.00	1.72	35.23%	0.11	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	4.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/26/2016 - 4/26/2016		10/19/2016 - 10/19/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2103_01_s_2012_2				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2103_01_s_2013_5				
Comment Code					
Inspector Comment					
The manuals are located at Tom Englers office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2103_01_s_2013_6				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.00	Rating **	M	Issue No.	32
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998295 °	38.998295 °
				-121.415186 °	-121.415186 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39966 DS_ID:24881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Gas line through levee. Markers visible on both sides. FS Date: 3/4/2014					

No Photos

LM Start	0.01	Rating **	A	Issue No.	19
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.019834 °	39.030231 °
				-121.453868 °	-121.400977 °
DWR ID	DWR_RD2103_01_f_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained annual vegetation. Fall 2016.					

Photo 1 of 1 : FA_2016_RD2103_10_19_20161025_00037.jpg




View of well maintained vegetation on the landside looking upstream.
Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

Photo 1 of 1 : FA_2016_RD2103_10_21_20161025_00038.jpg



10/16/2016

View of well maintained vegetation on the waterside looking upstream.
Fall 2016.

Photo 1 of 1 : FA_2016_RD2103_10_11_20161025_00040.jpg



View of fence along waterside hinge point looking downstream. Fall

Photo 1 of 1 : FA_2016_RD2103_10_23_20161025_00042.jpg



View of squirrel holes on the waterside looking downstream. Fall 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.22	Rating **	M	Issue No.	22
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.020937°	39.020937°
				-121.450237°	-121.450237°
DWR ID	DWR_RD2103_01_f_2015_22				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning's still exist as of Fall 2016.					

Photo 1 of 2 : FA_2016_RD2103_10_22_20160906_00005.jpg



View of the pruning pile at the toe of the levee on the landward side. Fall 2015.

LM Start	0.22	Rating **	M	Issue No.	22 (cont)
LM End	0.22	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_RD2103_10_22_20161025_00041.jpg



Pruning's still exist as of Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.54	Rating **	M	Issue No.	33
LM End	0.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022513 °	39.022513 °
				-121.444813 °	-121.444813 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:39985
DS_ID:19468
EP_NO: 3659
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information.
FIELD_STRUCT_DESC: 8-5/8-inch steel fuel line through the levee, 3.0 feet below the crown. Cutoff wall around pipe at centerline of levee. Pipe extends through overflow area. (Permit No. 3569-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.55). Markers visible on both sides.
FS Date: 3/20/2014

LM Start	0.54	Rating **	M	Issue No.	33 (cont)
LM End	0.54	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_39985_69852.jpg



Marker visible on toe in between railroad tracks and highway (north).

Photo 2 of 2 : UCIP_FA_2016_39985_69851.jpg



Marker visible on toe in between railroad tracks and highway (south).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.54	Rating **	M	Issue No.	34
LM End	0.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022514 °	39.022514 °
				-121.444814 °	-121.444814 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39986 DS_ID:24878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: Kinder Morgan line through levee. Markers visible on both banks. FS Date: 3/4/2014					

LM Start	0.54	Rating **	M	Issue No.	34 (cont)
LM End	0.54	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_39986_71882.jpg



View of marker visible on waterward side (between HWY 65 and railroad).

Photo 2 of 2 : UCIP_FA_2016_39986_71881.jpg



Markers visible on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.55	Rating **	M	Issue No.	37
LM End	0.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022654 °	39.022654 °
				-121.444665 °	-121.444665 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43823 DS_ID:19467 EP_NO: 16041 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Needs markers at levee crossing. FIELD_STRUCT_DESC: 2-inch steel communication conduit encasing telephone cable through the levee, 2-feet below the crown. Extends to junction box 10-feet from landward toe, parallel to railroad tracks. (Permit No. 16041-1993). FS Date: 3/18/2015					

Photo 1 of 1 : UCIP_FA_2016_43823_73340.jpg



Junction box visible on LS toe (at lower left of photo).

LM Start	0.56	Rating **	M	Issue No.	35
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022665 °	39.022665 °
				-121.444688 °	-121.444688 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39987 DS_ID:24879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to obtain depth of line through levee. Also need permit authorizing conduit through levee. FIELD_STRUCT_DESC: Conduit line through levee. Markers visible on both sides. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP_FA_2016_39987_71885.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.56	Rating **	M	Issue No.	35 (cont)
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022665 °	39.022665 °
				-121.444688 °	-121.444688 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39987 DS_ID:24879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to obtain depth of line through levee. Also need permit authorizing conduit through levee. FIELD_STRUCT_DESC: Conduit line through levee. Markers visible on both sides. FS Date: 3/4/2014					

Photo 2 of 2 : UCIP_FA_2016_39987_71884.jpg



View of levee crown and waterward side.

LM Start	0.56	Rating **	M	Issue No.	28
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022733 °	39.022733 °
				-121.444626 °	-121.444626 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38323 DS_ID:19469 EP_NO: 2098 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. Marker on waterward slope. (Permit No. 2098-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.56). FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_38323_69860.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.56	Rating **	M	Issue No.	28 (cont)	
LM End	0.56	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.022733 °		39.022733 °
				-121.444626 °		-121.444626 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38323 DS_ID:19469 EP_NO: 2098 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. Marker on waterward slope. (Permit No. 2098-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.56). FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_38323_69859.jpg



Marker visible waterward side.

LM Start	0.62	Rating **	M	Issue No.	29
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023513 °	39.023513 °
				-121.444168 °	-121.444168 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38324					
DS_ID:19470					
EP_NO: 789					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 16-inch steel gas line through levee, 3.0 feet below the crown. Concrete inspection chamber (24x18-inch with 4-inch walls) on the waterward shoulder, covered with dirt. Gas line marker on landward slope. Extends underneath Dry Creek channel, covered with concrete slab approx. 18-inches wide. (Permit No. 789-1939). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.63).					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_38324_69864.jpg



View of levee crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.62	Rating **	M	Issue No.	29 (cont)	
LM End	0.62	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.023513 °	39.023513 °	
				-121.444168 °	-121.444168 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38324						
DS_ID:19470						
EP_NO: 789						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 16-inch steel gas line through levee, 3.0 feet below the crown. Concrete inspection chamber (24x18-inch with 4-inch walls) on the waterward shoulder, covered with dirt. Gas line marker on landward slope. Extends underneath Dry Creek channel, covered with concrete slab approx. 18-inches wide. (Permit No. 789-1939). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.63).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_38324_69863.jpg



Contact information for gas pipeline.

LM Start	0.81	Rating **	M	Issue No.	36
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.024725 °	39.024725 °
				-121.440978 °	-121.440978 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39988					
DS_ID:24880					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No marker found on waterward side--need to confirm with owner if crossing goes through levee. If so, need depth of crossing through levee. Also need to obtain permit number used to authorize crossing.					
FIELD_STRUCT_DESC: Conduit line through levee. Marker visible on landward side.					
FS Date: 3/4/2014					

Photo 1 of 2 : UCIP_FA_2016_39988_71890.jpg



Underground cable line marker visible on landward side toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	0.81	Rating **	M	Issue No.	36 (cont)	
LM End	0.81	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.024725 °	39.024725 °	
				-121.440978 °	-121.440978 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39988						
DS_ID:24880						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: No marker found on waterward side--need to confirm with owner if crossing goes through levee. If so, need depth of crossing through levee. Also need to obtain permit number used to authorize crossing.						
FIELD_STRUCT_DESC: Conduit line through levee. Marker visible on landward side.						
FS Date: 3/4/2014						

Photo 2 of 2 : UCIP_FA_2016_39988_71889.jpg



Marker is for underground cable line owned by Pacific Bell.

LM Start	1.27	Rating **	N	Issue No.	26
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.027261 °	39.027261 °
				-121.433269 °	-121.433269 °
DWR ID	DWR_RD2103_01_s_2016_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump needs to be removed fom slope. Fall 2016.					

Photo 1 of 1 : FA_2016_RD2103_10_26_20161025_00039.jpg



View of tree stump on lanside levee slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	1.80	Rating **	M	Issue No.	31
LM End	1.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029398 °	39.029398 °
				-121.424906 °	-121.424906 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41183
DS_ID:19473
EP_NO: 1886
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to coordinate with owner. Severely corroded section of steel pipe present on waterward side--no other evidence present at this location. Owner will need to coordinate with CVFPB and DWR-Inspector to determine proper action to abandon crossing.
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation pipe through the levee, 3.1 feet below the crown. Siphon breaker on the waterward slope. Concrete standpipe at the landward toe. Vertical pump on waterward side. Open on waterward end. Permit includes gravel dam through channel of Dry Creek. (Permit No. 1886-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.86). Crossing is angled 45 degrees.
FS Date: 3/20/2014

LM Start	1.80	Rating **	M	Issue No.	31 (cont)
LM End	1.80	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_41183_69917.jpg



Overview of levee crown.

Photo 2 of 2 : UCIP_FA_2016_41183_69916.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	1.86	Rating **	M	Issue No.	30
LM End	1.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029694 °	39.029694 °
				-121.423946 °	-121.423946 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38327					
DS_ID:19512					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to determine if there is a crossing through pipe. Will need to coordinate with owner to determine additional information about appurtenances found on landward side.					
FIELD_STRUCT_DESC: Irrigation pump, service pole, and 36-inch concrete standpipe, 5 feet from the landward toe. No pump was found during field visit 3/20/14.					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_38327_69881.jpg



View of landward side.

LM Start	1.86	Rating **	M	Issue No.	30 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_38327_69880.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	2.64	Rating **	M	Issue No.	27
LM End	2.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.031590 °	39.031590 °
				-121.409870 °	-121.409870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38331					
DS_ID:19477					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.1 feet below the crown. Siphon breaker on the waterward slope. Pump on the landward side. Pipe crosses creek to orchard on north side (Permit No. 1887, 1954. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.68). FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_38331_69894.jpg



View of waterward side.

LM Start	2.64	Rating **	M	Issue No.	27 (cont)
LM End	2.64	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_38331_69893.jpg



Crossing was not visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	3.59	Rating **	U	Issue No.	38
LM End	3.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033074 °	39.033074 °
				-121.400434 °	-121.400434 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50033 DS_ID:19478 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/08/2016 Meet with Tom Engler from MBK Engineers, District Engineer, and the District is in the process of trying to deauthorize portion of Unit 1. This section of the levee protects an orchard--levee is approximately 3-4 feet tall. (DWR UCIP - omagana)3/26/2015 Flapgate open and won't close due to vegetation and soil blocking its operation. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate is located on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/8/2016 11:37:00 AM					

LM Start	3.59	Rating **	U	Issue No.	38 (cont)
LM End	3.59	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50033_73429.jpg



Flapgate at WS berm blocked by soil and vegetation bu8ildup.

Photo 2 of 2 : UCIP_FA_2016_50033_73428.jpg



Location of pipe and flapgate on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/19/2016 10/19/2016	Sterling York

LM Start	4.41	Rating **	C	Issue No.	8
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.041051 °	39.041810 °
				-121.394931 °	-121.393951 °
DWR ID	DWR_RD2103_01_f_2013_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth has been remove from slope. Fall 2016.					

No Photos

LM Start	4.52	Rating **	M	Issue No.	20
LM End	4.52	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.042220 °	39.042220 °
				-121.393577 °	-121.393577 °
DWR ID	DWR_RD2103_01_s_2015_20				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_RD2103_10_20_20160906_00004.jpg



View of the fence blocking access to the crown of the levee. View is from the crown facing upstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	4.88
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/26/2016 - 4/26/2016		10/19/2016 - 10/19/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Reclamation District No. 2103 Wheatland Vicinity

View of annual vegetation that needs to be maintained on the waterside looking upstream. Fall 2016.

Page 1 of 15

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	0.29	Rating **	C	Issue No.	4
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			38.994660 °	38.995537 °
				-121.432170 °	-121.428535 °
DWR ID	DWR_RD2103_02_s_2012_4				
Comment Code					
Inspector Comment					
The rip rap is in good condition and the issue is closed.					

No Photos

LM Start	0.87	Rating **	A	Issue No.	3
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997801 °	39.031787 °
				-121.422373 °	-121.366800 °
DWR ID	DWR_RD2103_02_f_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained vegetation, Fall 2016.					

Photo 1 of 1 : FA_2016_RD2103_11_3_20161025_00037.jpg



View of well maintained vegetation on landside looking upstream. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	0.87	Rating **	A	Issue No.	16
LM End	4.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997801 °	39.031787 °
				-121.422372 °	-121.366800 °
DWR ID	DWR_RD2103_02_f_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained vegetation, Fall 2016.					

Photo 1 of 1 : FA_2016_RD2103_11_16_20161025_00033.jpg



View of well maintained vegetation on waterside looking upstream. Fall 2016.

LM Start	1.26	Rating **	M	Issue No.	29
LM End	1.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415296 °	-121.415296 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39992					
DS_ID:19484					
EP_NO: 1613					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. (Permit No. 1613-1951). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30).					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_39992_69914.jpg



Marker visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	1.26	Rating **	M	Issue No.	29 (cont)	
LM End	1.26	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.998301 °	38.998301 °	
				-121.415296 °	-121.415296 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39992						
DS_ID:19484						
EP_NO: 1613						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. (Permit No. 1613-1951). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_39992_69913.jpg



Marker visible on landward side.

LM Start	1.26	Rating **	M	Issue No.	30
LM End	1.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415182 °	-121.415182 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39993					
DS_ID:19486					
EP_NO: 5714					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to confirm crossing and determine status.					
FIELD_STRUCT_DESC: 12-inch steel sewer pipes through the levee, 3.1 feet below the crown. Siphon breaker in 24-inch CM pipe riser on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Extends from wastewater treatment plant on landward side to waste water lagoon on waterward side. Permit includes construction of lagoon with surrounding short levee, extending from/to project levee. (Permit No. 5714-1968).					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_39993_69912.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	1.26	Rating **	M	Issue No.	30 (cont)	
LM End	1.26	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °	
				-121.415182 °	-121.415182 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39993						
DS_ID:19486						
EP_NO: 5714						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to confirm crossing and determine status.						
FIELD_STRUCT_DESC: 12-inch steel sewer pipes through the levee, 3.1 feet below the crown. Siphon breaker in 24-inch CM pipe riser on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Extends from wastewater treatment plant on landward side to waste water lagoon on waterward side. Permit includes construction of lagoon with surrounding short levee, extending from/to project levee. (Permit No. 5714-1968).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_39993_69911.jpg



CMP riser located on landward side.

LM Start	1.29	Rating **	M	Issue No.	31
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998322 °	38.998322 °
				-121.414688 °	-121.414688 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39994					
DS_ID:19509					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine details of the crossing through levee.					
FIELD_STRUCT_DESC: Wheatland Sewage Disposal Plant on waterward side, treatment plant on landward side. Service pole on waterward slope.					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_39994_69905.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	1.29	Rating **	M	Issue No.	31 (cont)
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998322 °	38.998322 °
				-121.414688 °	-121.414688 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39994					
DS_ID:19509					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine details of the crossing through levee.					
FIELD_STRUCT_DESC: Wheatland Sewage Disposal Plant on waterward side, treatment plant on landward side. Service pole on waterward slope.					
FS Date: 3/20/2014					

Photo 2 of 2 : UCIP_FA_2016_39994_69904.jpg



View of water treatment located on landward side, photo 1 of 3.

LM Start	1.76	Rating **	M	Issue No.	32
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000557 °	39.000557 °
				-121.406581 °	-121.406581 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44089 DS_ID:25090 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiberoptic line through the levee at unknown depth. Marker visible on WS shoulder. 6-inch steel pipe visible on upstream side of railroad trestle. FS Date: 3/26/2015					

Photo 1 of 2 : UCIP_FA_2016_44089_73568.jpg



Fiberoptic line marker on crown of levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	1.76	Rating **	M	Issue No.	32 (cont)
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000557 °	39.000557 °
				-121.406581 °	-121.406581 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44089 DS_ID:25090 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiberoptic line through the levee at unknown depth. Marker visible on WS shoulder. 6-inch steel pipe visible on upstream side of railroad trestle. FS Date: 3/26/2015					

Photo 2 of 2 : UCIP_FA_2016_44089_73567.jpg



6-inch steel conduit visible on upstream side of railroad bridge.

LM Start	1.86	Rating **	M	Issue No.	17
LM End	1.86	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.001620 °	39.001620 °
				-121.405528 °	-121.405528 °
DWR ID	DWR_RD2103_02_f_2016_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree fell on the levee slope and needs to be removed. Fall 2016.					

Photo 1 of 1 : FA_2016_RD2103_11_17_20161025_00036.jpg



View of tree that fell on the waterside levee slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	2.59	Rating **	M	Issue No.	24
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.009249 °	39.009249 °
				-121.397334 °	-121.397334 °
DWR ID	DWR_RD2103_02_s_2015_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.60	Rating **	M	Issue No.	25
LM End	2.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009394 °	39.009394 °
				-121.397300 °	-121.397300 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40045 DS_ID:19488 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has been plugged--visible on landward side. Need to contact owner to obtain additional information about abandoned crossing. FIELD_STRUCT_DESC: 1 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_40045_71908.jpg



View of waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	2.60	Rating **	M	Issue No.	25 (cont)	
LM End	2.60	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.009394 °		39.009394 °
				-121.397300 °		-121.397300 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40045						
DS_ID:19488						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe has been plugged--visible on landward side.						
Need to contact owner to obtain additional information about						
abandoned crossing.						
FIELD_STRUCT_DESC: 1 of 2: 30-inch diameter CM irrigation pipe						
through levee, 13.8 feet below crown. Slide gates in 42-diameter riser						
on waterward slope. Concrete "U" headwall at both levee toes. Grouted						
spillway on landward side. (USACE-1962). This entry matches the						
Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_40045_71907.jpg



Slide gates visible located on landward side.

LM Start	2.60	Rating **	M	Issue No.	26
LM End	2.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009408 °	39.009408 °
				-121.397296 °	-121.397296 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40046 DS_ID:19504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status--crossing appears to be modified. Need to contact owner to obtain additional information about modified crossing. FIELD_STRUCT_DESC: 2 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_40046_71915.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	2.60	Rating **	M	Issue No.	26 (cont)
LM End	2.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009408 °	39.009408 °
				-121.397296 °	-121.397296 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40046 DS_ID:19504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status--crossing appears to be modified. Need to contact owner to obtain additional information about modified crossing. FIELD_STRUCT_DESC: 2 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 3/20/2014					

Photo 2 of 2 : UCIP_FA_2016_40046_71914.jpg



View of landward side.

LM Start	3.94	Rating **	M	Issue No.	33
LM End	3.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022486 °	39.022486 °
				-121.379343 °	-121.379343 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43957 DS_ID:19500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Further evaluation necessary to determine alignment of crossing should be conducted. FIELD_STRUCT_DESC: 4-inch PVC water line through levee, 6-feet below the levee crown. Ball valve and Service connection point on LS shoulder. Pipe appears to run parallel to east, on LS slope just off crown but may cross at this location as well. An O+M entry matches the size and location for this crossing (O&M manual 1962, (HLM 4.05). FS Date: 3/26/2015					

Photo 1 of 2 : UCIP_FA_2016_43957_73435.jpg



Service connection and ball valve visible on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	3.94	Rating **	M	Issue No.	33 (cont)	
LM End	3.94	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.022486 °		39.022486 °
				-121.379343 °		-121.379343 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43957 DS_ID:19500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Further evaluation necessary to determine alignment of crossing should be conducted. FIELD_STRUCT_DESC: 4-inch PVC water line through levee, 6-feet below the levee crown. Ball valve and Service connection point on LS shoulder. Pipe appears to run parallel to east, on LS slope just off crown but may cross at this location as well. An O+M entry matches the size and location for this crossing (O&M manual 1962, (HLM 4.05). FS Date: 3/26/2015						

Photo 2 of 2 : UCIP_FA_2016_43957_73434.jpg



Service connection and ball valve visible on LS shoulder.

LM Start	3.95	Rating **	M	Issue No.	27
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022529 °	39.022529 °
				-121.379286 °	-121.379286 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40048					
DS_ID:19510					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification.					
FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 8.0 feet below the crown. Slide gate in concrete square riser (not CM pipe riser as mentioned in desk study) on waterward slope. Concrete headwall and trash rack at toe of waterward slope. Breather pipe on landward slope. Dischare in irrigation ditch on landward side. Two CM cutoff walls. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). Replaced by multiple CM irrigation pipes under Permit No. 18081 (2006).					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_40048_71922.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	3.95	Rating **	M	Issue No.	27 (cont)	
LM End	3.95	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.022529 °	39.022529 °	
				-121.379286 °	-121.379286 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40048						
DS_ID:19510						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification.						
FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 8.0 feet below the crown. Slide gate in concrete square riser (not CM pipe riser as mentioned in desk study) on waterward slope. Concrete headwall and trash rack at toe of waterward slope. Breather pipe on landward slope. Dischare in irrigation ditch on landward side. Two CM cutoff walls. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). Replaced by multiple CM irrigation pipes under Permit No. 18081 (2006).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_40048_71921.jpg



Riser located on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	3.95	Rating **	U	Issue No.	34
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022556 °	39.022556 °
				-121.379210 °	-121.379210 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50034 DS_ID:19492 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: 7/08/2016 No markers found. Need to locate owner and determine status of crossing. (DWR UCIP - omagana)3/26/2015 No markers. Need to confirm line alignment and permit. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 6 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit No. 146, November 1962, (HLM 4.05), Drawing No. 2-4-55-1]. FS Date: 7/8/2016 11:37:00 AM					

No Photos

LM Start	4.53	Rating **	M	Issue No.	18
LM End	4.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.028565 °	39.028565 °
				-121.371704 °	-121.371704 °
DWR ID	DWR_RD2103_02_s_2016_18				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning's need to be removed. Fall 2016.					

Photo 1 of 2 : FA_2016_RD2103_11_18_20160906_00004.jpg



View of pruning's at landside toe looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	4.53	Rating **	M	Issue No.	18 (cont)	
LM End	4.53	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.028565 °		39.028565 °
				-121.371704 °		-121.371704 °
DWR ID	DWR_RD2103_02_s_2016_18					
Comment Code						
PR : Prunings						
Inspector Comment						
Pruning's need to be removed. Fall 2016.						

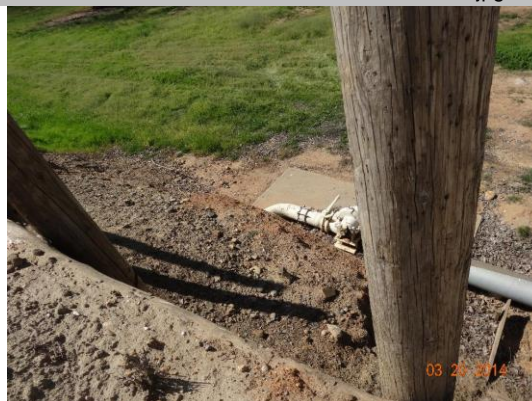
Photo 2 of 2 : FA_2016_RD2103_11_18_20161025_00035.jpg



View of pruning's on landside levee toe that still need to be removed.
Fall 2016.

LM Start	4.74	Rating **	M	Issue No.	28
LM End	4.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.030340 °	39.030340 °
				-121.368535 °	-121.368535 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40049					
DS_ID:19493					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing has been modified---need to contact owner					
to obtain permit used for modification.					
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe					
through levee, 10.6 feet below the crown. Slide gate in concrete square					
riser (not 36-inch CM riser as mentioned in desk study) on the					
waterward slope. Concrete "U" headwall and trash rack at waterward					
toe. 5x5-foot concrete distribution box and headwall at landward toe.					
(USACE-1962). This entry matches the Drainage or Irrigation Structure					
referenced in O&M manual (HLM 4.87).					
FS Date: 3/20/2014					

Photo 1 of 2 : UCIP_FA_2016_40049_71928.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/19/2016 10/19/2016	Sterling York

LM Start	4.74	Rating **	M	Issue No.	28 (cont)	
LM End	4.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.030340 °	39.030340 °	
				-121.368535 °	-121.368535 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40049						
DS_ID:19493						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification.						
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through levee, 10.6 feet below the crown. Slide gate in concrete square riser (not 36-inch CM riser as mentioned in desk study) on the waterward slope. Concrete "U" headwall and trash rack at waterward toe. 5x5-foot concrete distribution box and headwall at landward toe. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.87).						
FS Date: 3/20/2014						

Photo 2 of 2 : UCIP_FA_2016_40049_71926.jpg



Overview of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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